

Parameter	Unit	Value
Initial Weight	g	100.0
Final Weight	g	100.0
Weight Change	g	0.0
Initial Length	mm	100.0
Final Length	mm	100.0
Length Change	mm	0.0
Initial Area	mm <sup>2</sup>	100.0
Final Area	mm <sup>2</sup>	100.0
Area Change	mm <sup>2</sup>	0.0
Initial Volume	mm <sup>3</sup>	100.0
Final Volume	mm <sup>3</sup>	100.0
Volume Change	mm <sup>3</sup>	0.0
Initial Density	g/cm <sup>3</sup>	1.000
Final Density	g/cm <sup>3</sup>	1.000
Density Change	g/cm <sup>3</sup>	0.000
Initial Modulus	GPa	1.000
Final Modulus	GPa	1.000
Modulus Change	GPa	0.000
Initial Poisson's Ratio		0.300
Final Poisson's Ratio		0.300
Poisson's Ratio Change		0.000
Initial Yield Strength	MPa	1.000
Final Yield Strength	MPa	1.000
Yield Strength Change	MPa	0.000
Initial Tensile Strength	MPa	1.000
Final Tensile Strength	MPa	1.000
Tensile Strength Change	MPa	0.000
Initial Elongation at Break	%	1.000
Final Elongation at Break	%	1.000
Elongation at Break Change	%	0.000
Initial Hardness	HV	1.000
Final Hardness	HV	1.000
Hardness Change	HV	0.000
Initial Impact Strength	J/m <sup>2</sup>	1.000
Final Impact Strength	J/m <sup>2</sup>	1.000
Impact Strength Change	J/m <sup>2</sup>	0.000
Initial Fatigue Life	Cycles	1.000
Final Fatigue Life	Cycles	1.000
Fatigue Life Change	Cycles	0.000
Initial Creep Rate	%/h	1.000
Final Creep Rate	%/h	1.000
Creep Rate Change	%/h	0.000
Initial Thermal Conductivity	W/mK	1.000
Final Thermal Conductivity	W/mK	1.000
Thermal Conductivity Change	W/mK	0.000
Initial Coefficient of Thermal Expansion	1/K	1.000
Final Coefficient of Thermal Expansion	1/K	1.000
Coefficient of Thermal Expansion Change	1/K	0.000
Initial Glass Transition Temperature	°C	1.000
Final Glass Transition Temperature	°C	1.000
Glass Transition Temperature Change	°C	0.000
Initial Melting Temperature	°C	1.000
Final Melting Temperature	°C	1.000
Melting Temperature Change	°C	0.000
Initial Crystallinity	%	1.000
Final Crystallinity	%	1.000
Crystallinity Change	%	0.000
Initial Surface Area	m <sup>2</sup> /g	1.000
Final Surface Area	m <sup>2</sup> /g	1.000
Surface Area Change	m <sup>2</sup> /g	0.000
Initial Pore Volume	cm <sup>3</sup> /g	1.000
Final Pore Volume	cm <sup>3</sup> /g	1.000
Pore Volume Change	cm <sup>3</sup> /g	0.000
Initial Pore Size	nm	1.000
Final Pore Size	nm	1.000
Pore Size Change	nm	0.000
Initial Surface Tension	N/m	1.000
Final Surface Tension	N/m	1.000
Surface Tension Change	N/m	0.000
Initial Viscosity	Pas	1.000
Final Viscosity	Pas	1.000
Viscosity Change	Pas	0.000
Initial Thermal Stability	h	1.000
Final Thermal Stability	h	1.000
Thermal Stability Change	h	0.000
Initial Oxidative Stability	h	1.000
Final Oxidative Stability	h	1.000
Oxidative Stability Change	h	0.000
Initial Biodegradability	%	1.000
Final Biodegradability	%	1.000
Biodegradability Change	%	0.000
Initial Compressive Strength	MPa	1.000
Final Compressive Strength	MPa	1.000
Compressive Strength Change	MPa	0.000
Initial Flexural Strength	MPa	1.000
Final Flexural Strength	MPa	1.000
Flexural Strength Change	MPa	0.000
Initial Torsional Strength	MPa	1.000
Final Torsional Strength	MPa	1.000
Torsional Strength Change	MPa	0.000
Initial Shear Strength	MPa	1.000
Final Shear Strength	MPa	1.000
Shear Strength Change	MPa	0.000
Initial Adhesive Strength	MPa	1.000
Final Adhesive Strength	MPa	1.000
Adhesive Strength Change	MPa	0.000
Initial Cohesive Strength	MPa	1.000
Final Cohesive Strength	MPa	1.000
Cohesive Strength Change	MPa	0.000
Initial Impact Resistance	J/m <sup>2</sup>	1.000
Final Impact Resistance	J/m <sup>2</sup>	1.000
Impact Resistance Change	J/m <sup>2</sup>	0.000
Initial Fatigue Resistance	Cycles	1.000
Final Fatigue Resistance	Cycles	1.000
Fatigue Resistance Change	Cycles	0.000
Initial Creep Resistance	%/h	1.000
Final Creep Resistance	%/h	1.000
Creep Resistance Change	%/h	0.000
Initial Thermal Resistance	W/mK	1.000
Final Thermal Resistance	W/mK	1.000
Thermal Resistance Change	W/mK	0.000
Initial Coefficient of Thermal Expansion Resistance	1/K	



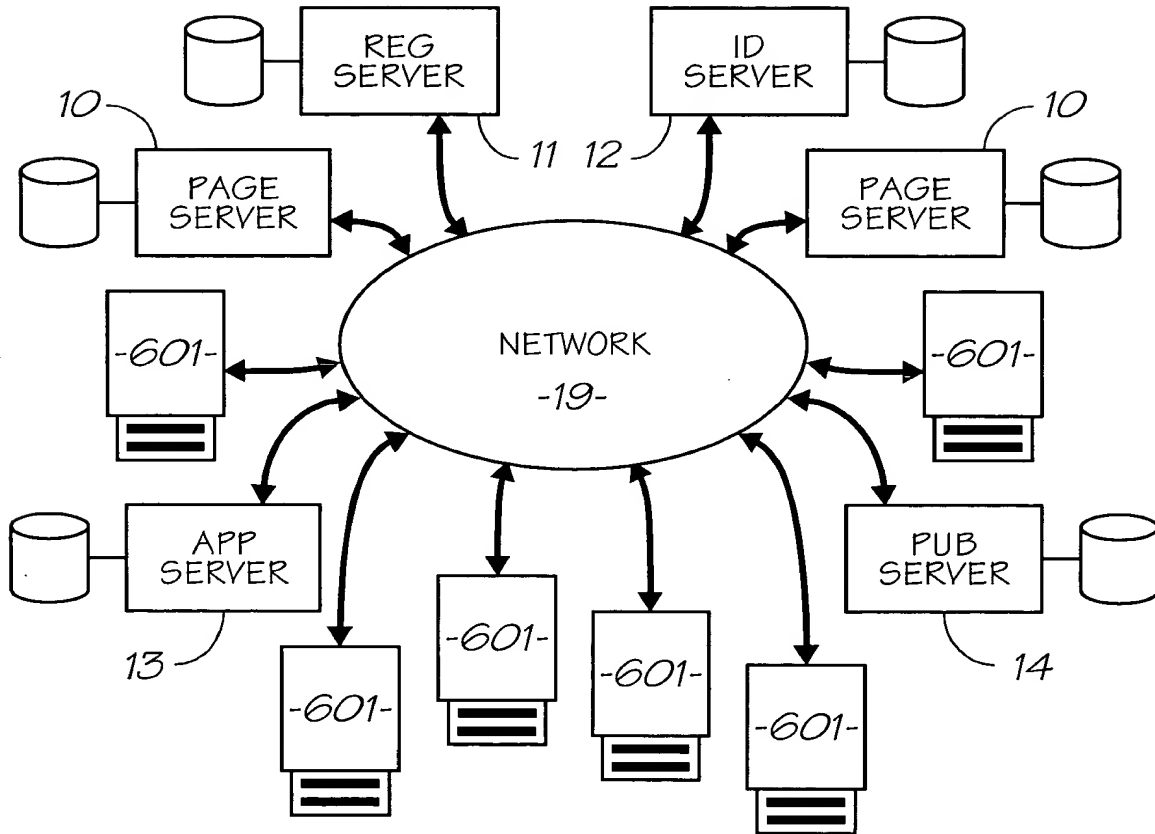
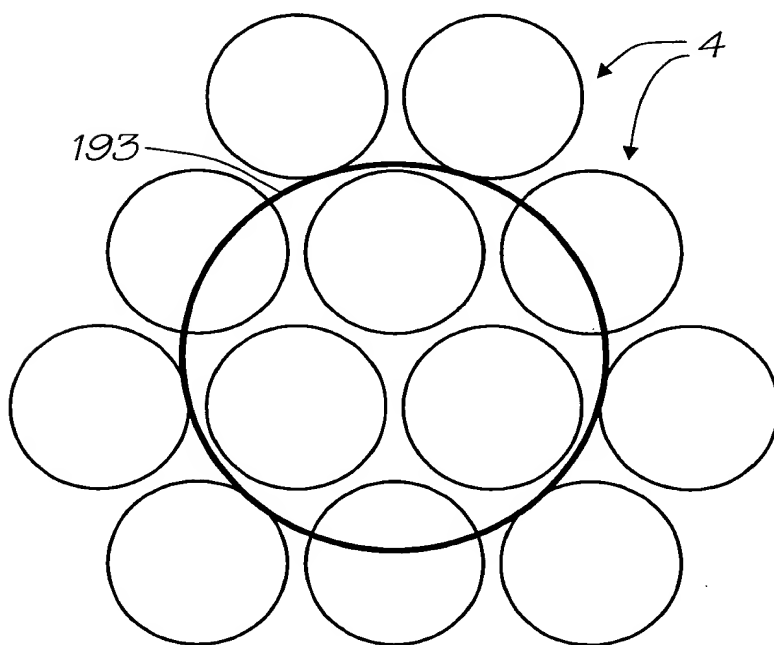


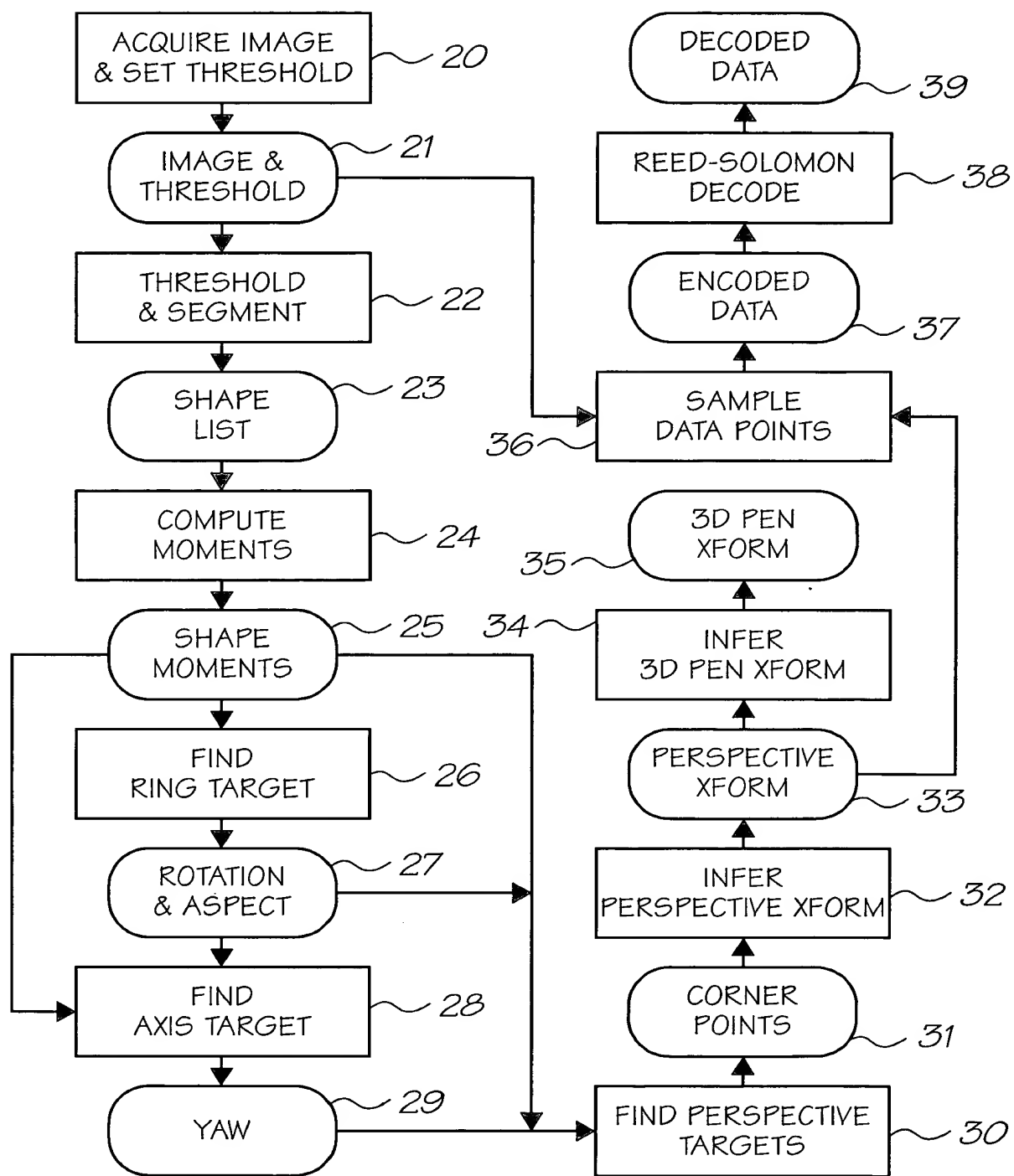
FIG. 3





FIG. 6





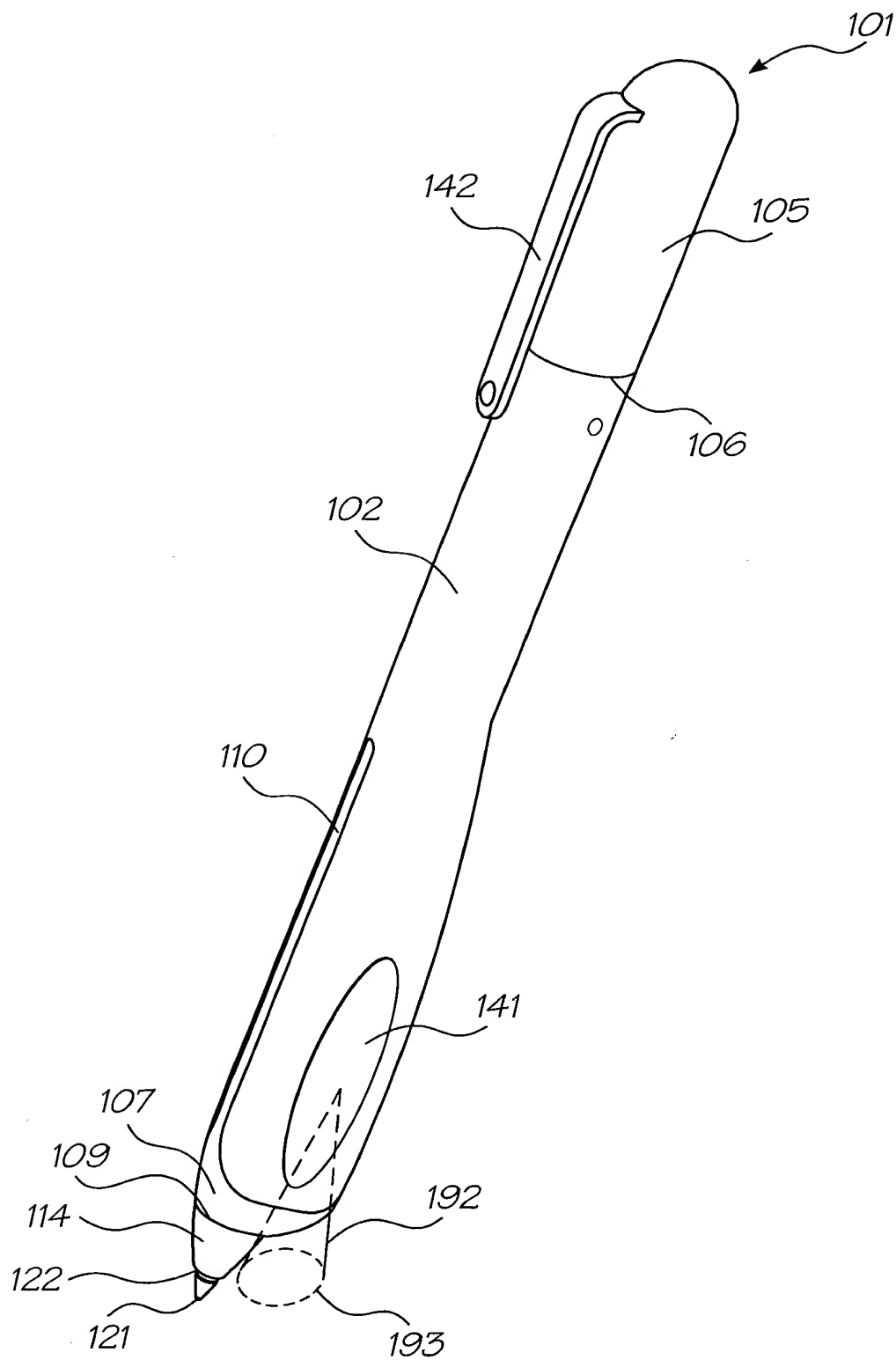


FIG. 8







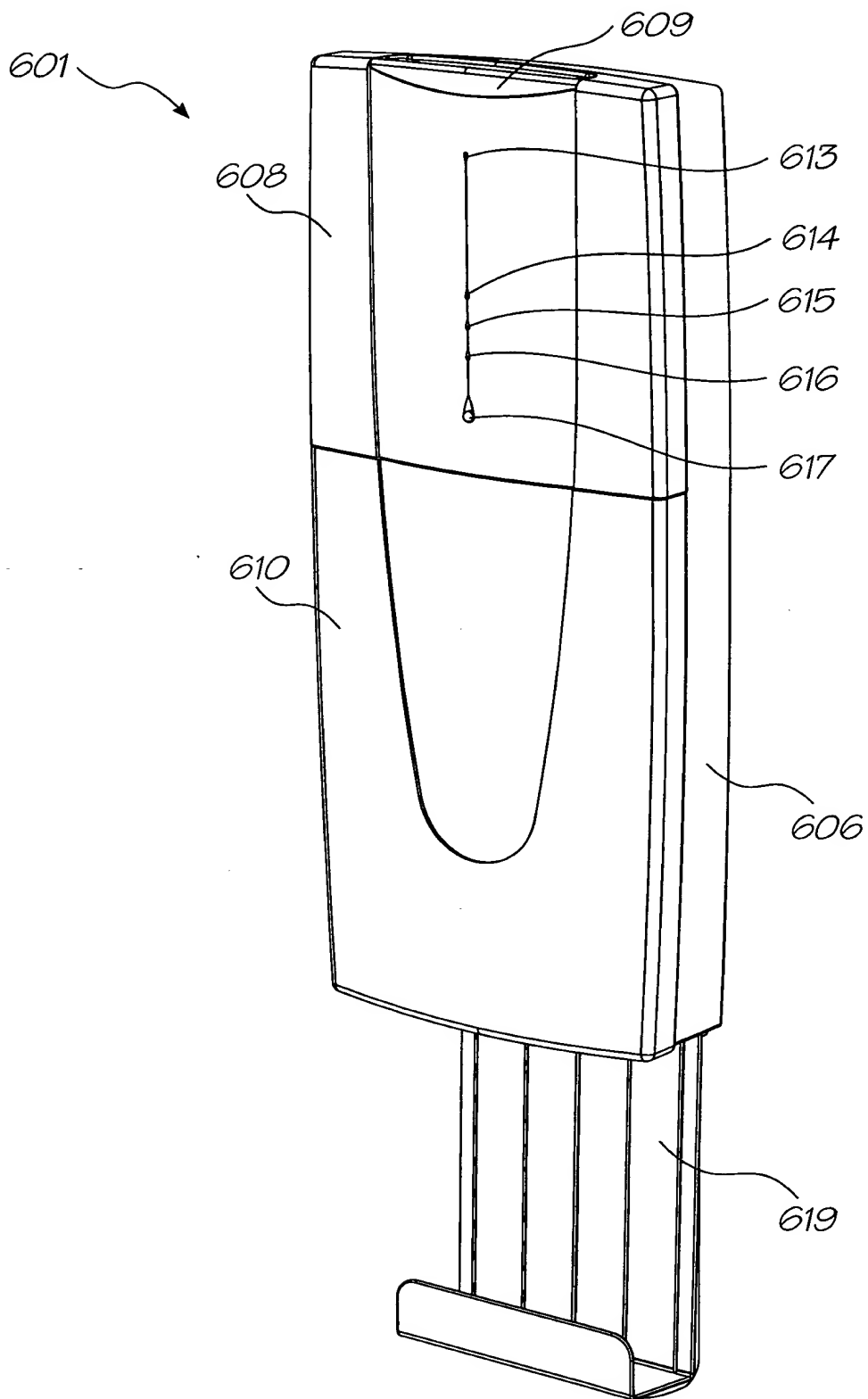


FIG. 11



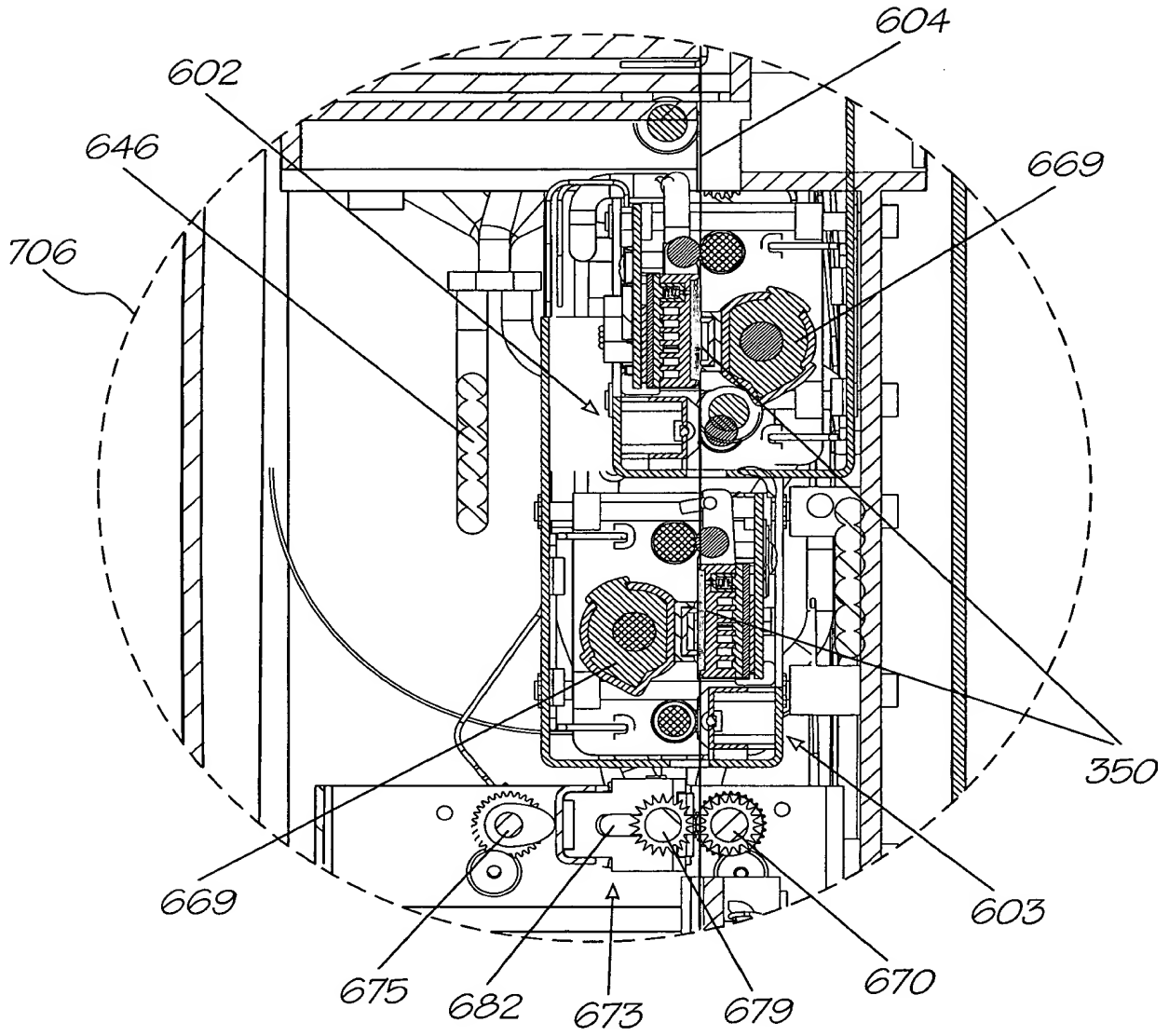


FIG. 12a

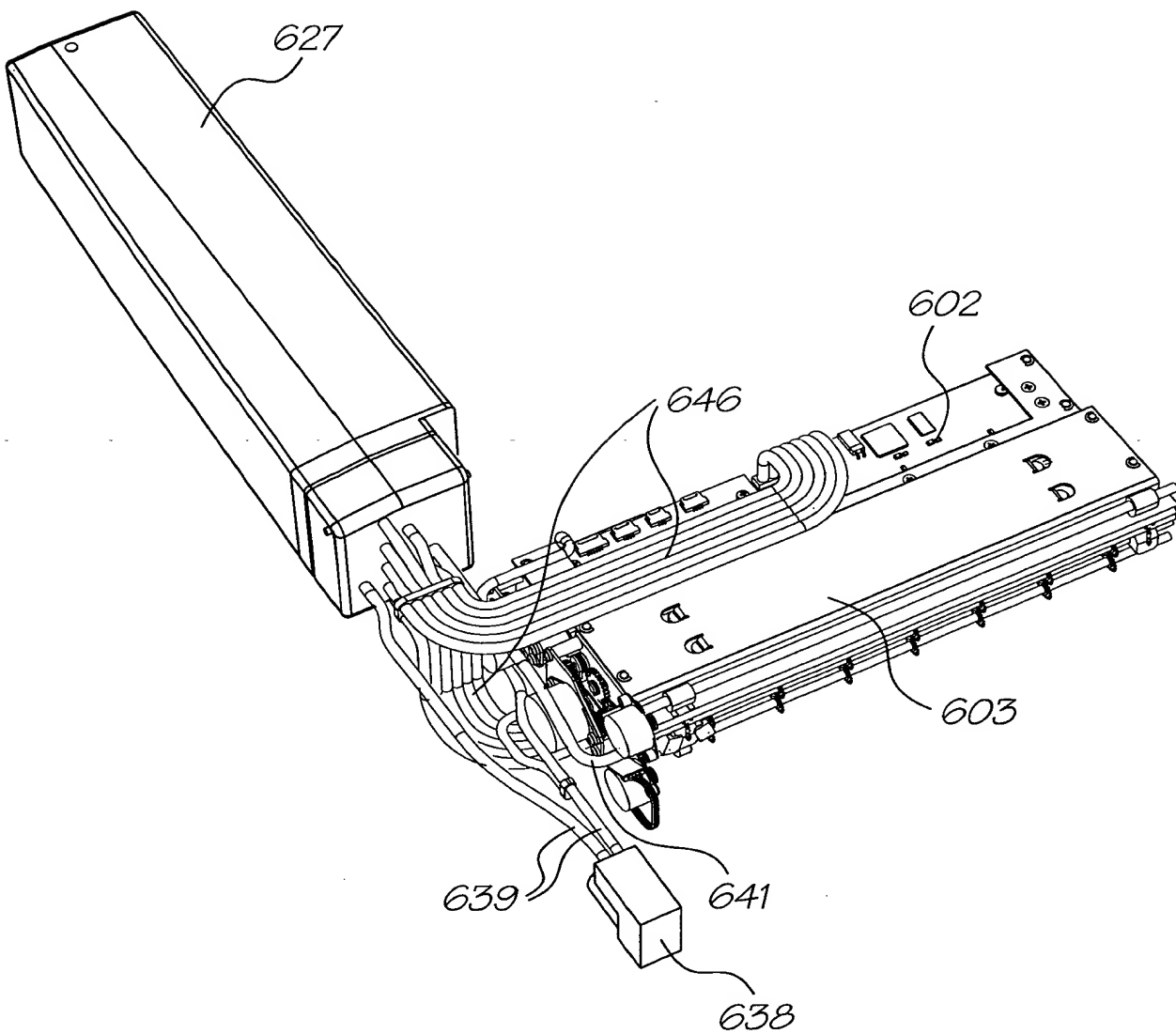


FIG. 13

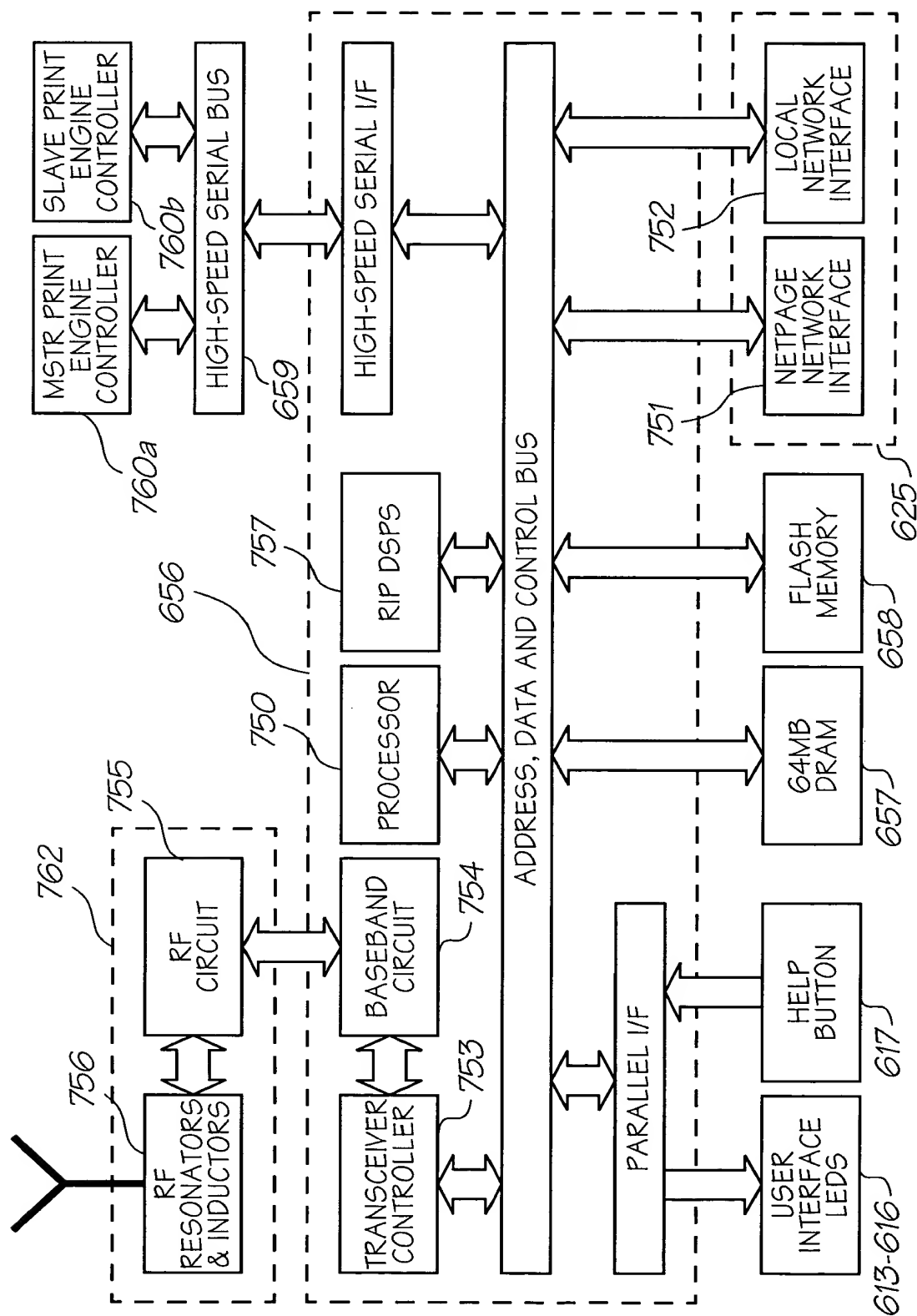


FIG. 14

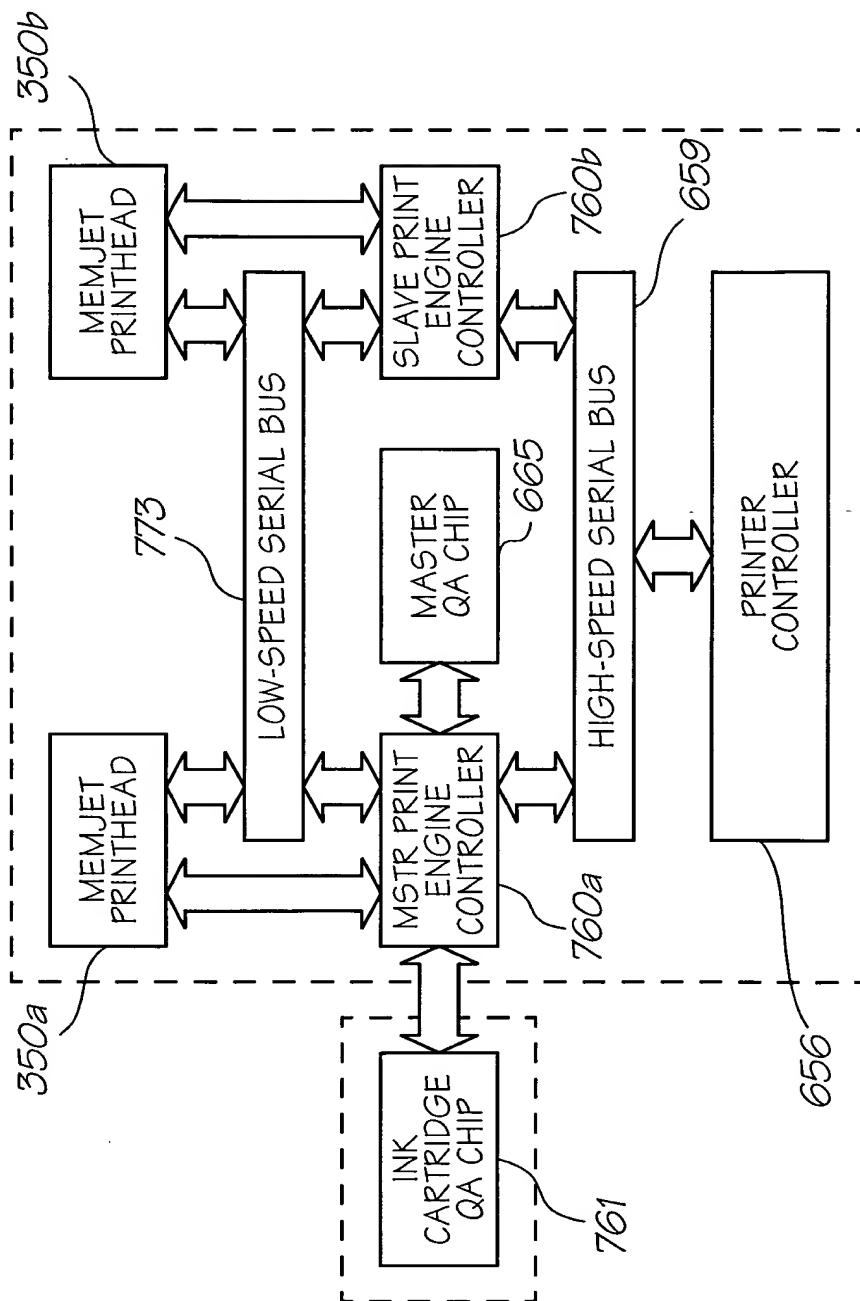


FIG. 15

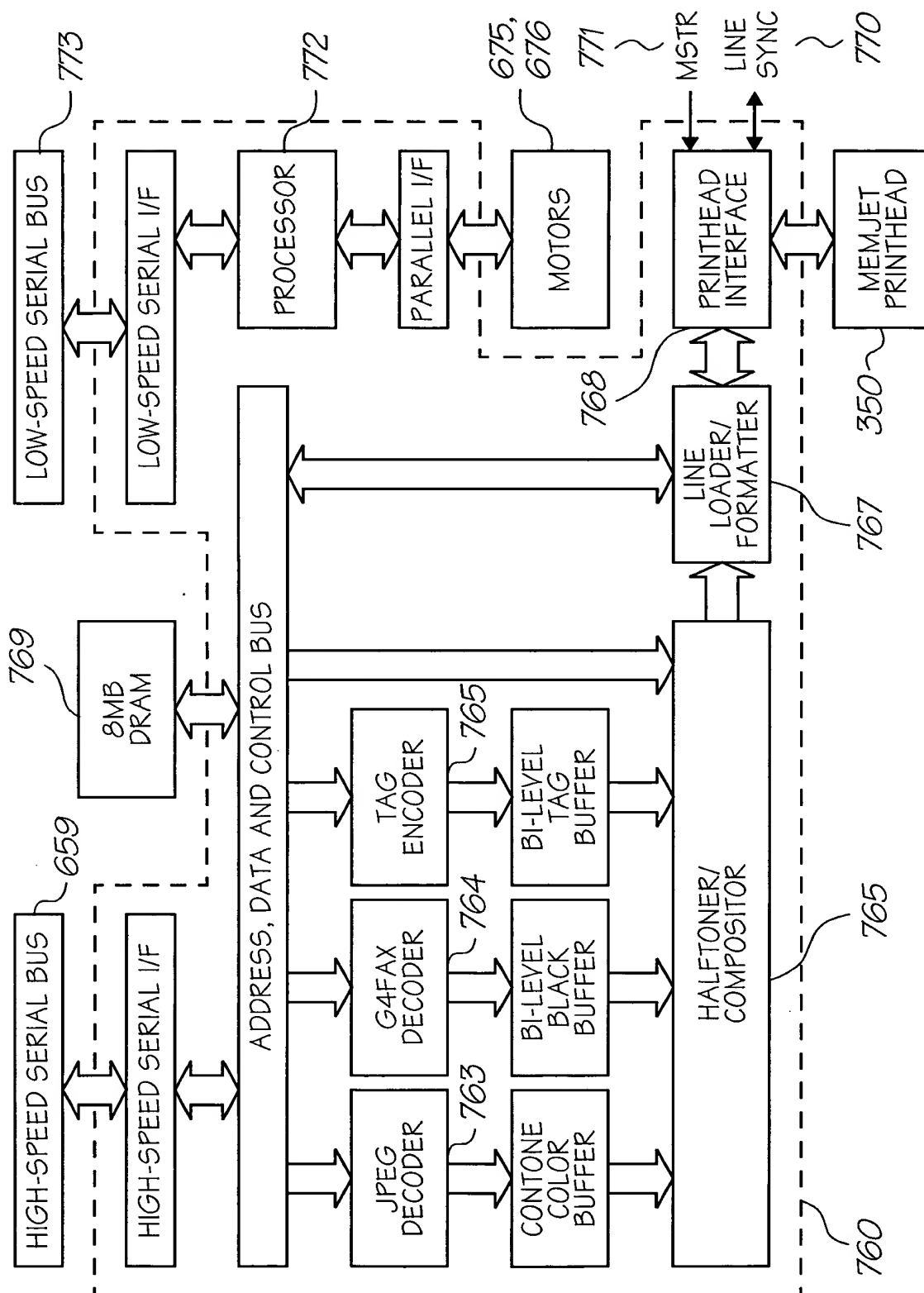
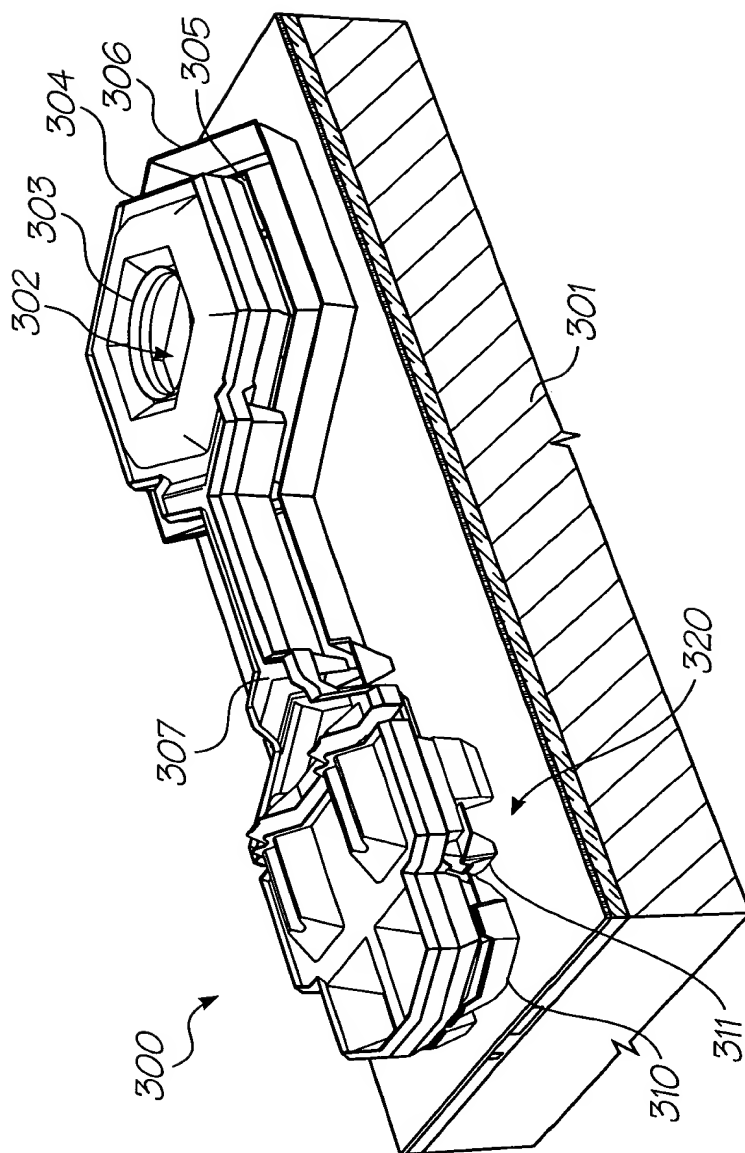


FIG. 16





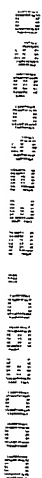


Figure 1 consists of 11 sub-graphs, labeled (a) through (k), each showing a time course of a different physiological or behavioral parameter over a 10-minute period. The y-axis for all graphs ranges from 0 to 100. The x-axis for all graphs ranges from 0 to 10 minutes. The graphs show a general increase in the parameters during the intervention period, with some parameters showing a more pronounced increase than others.

- (a) Heart rate (b/min): Shows a steady increase from approximately 60 to 80 b/min.
- (b) Blood pressure (mmHg): Shows a steady increase from approximately 100 to 120 mmHg.
- (c) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (d) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (e) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (f) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (g) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (h) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (i) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (j) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.
- (k) Blood flow (ml/min): Shows a steady increase from approximately 20 to 40 ml/min.



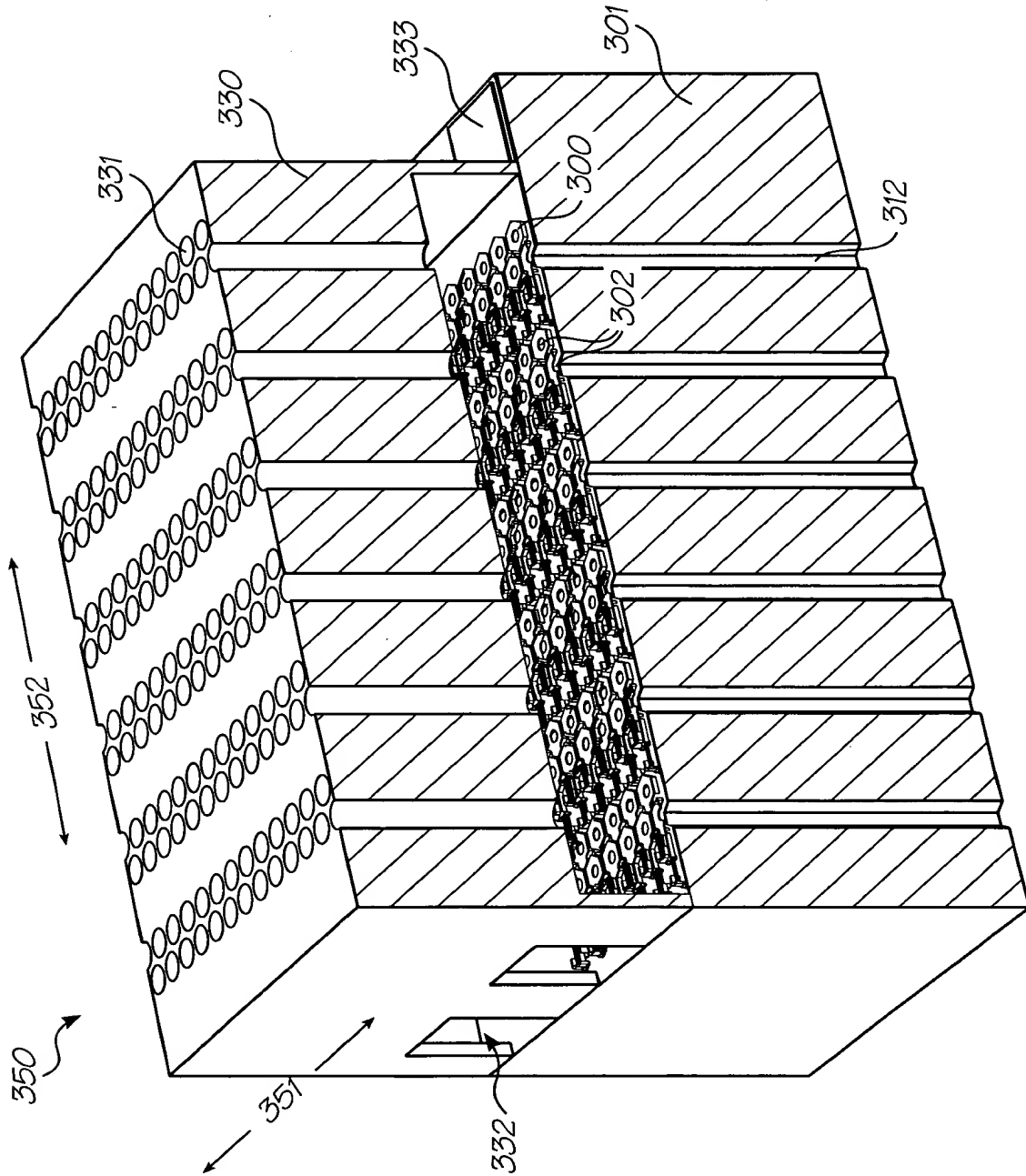


FIG. 20



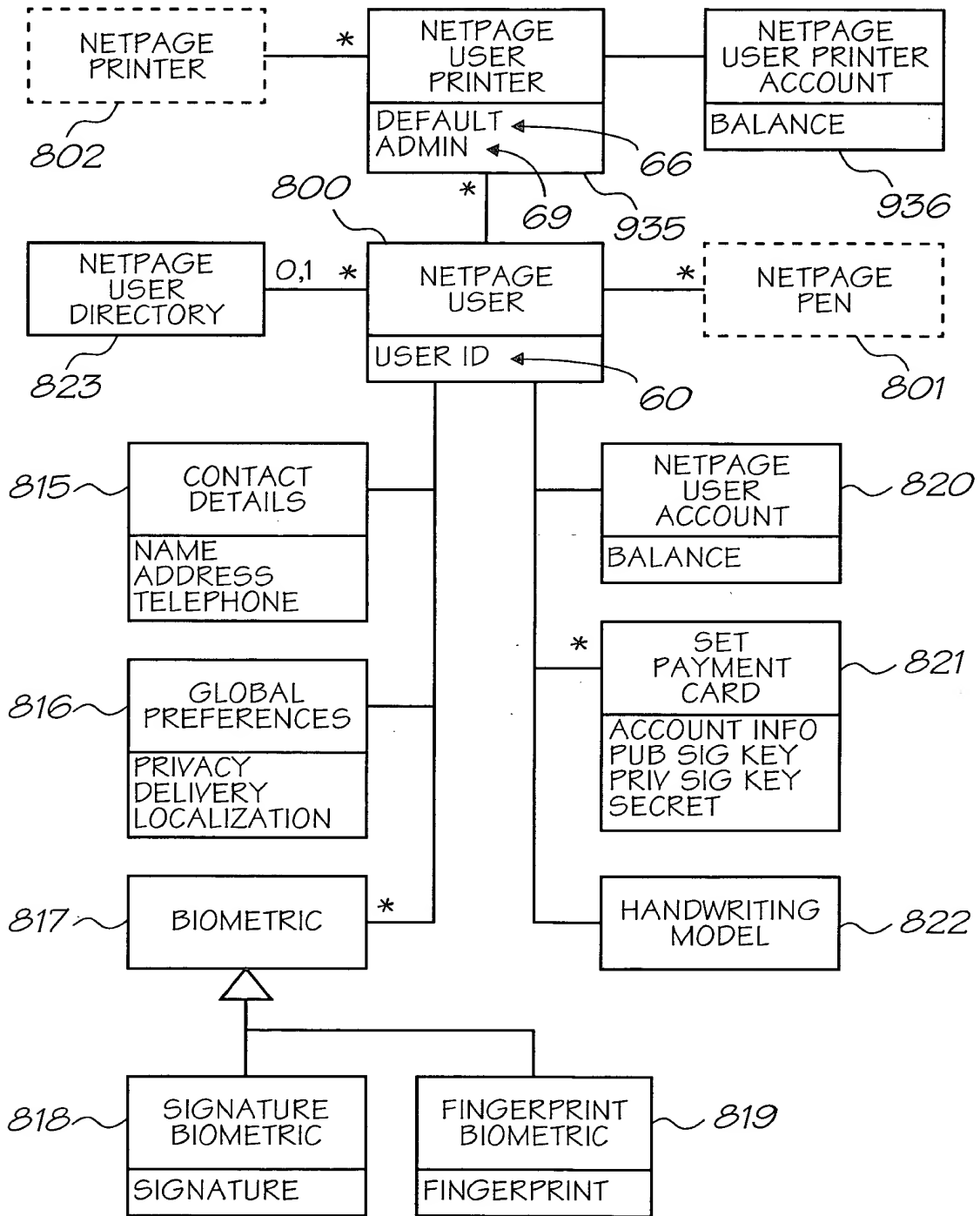


FIG. 23

000590" 2E260960







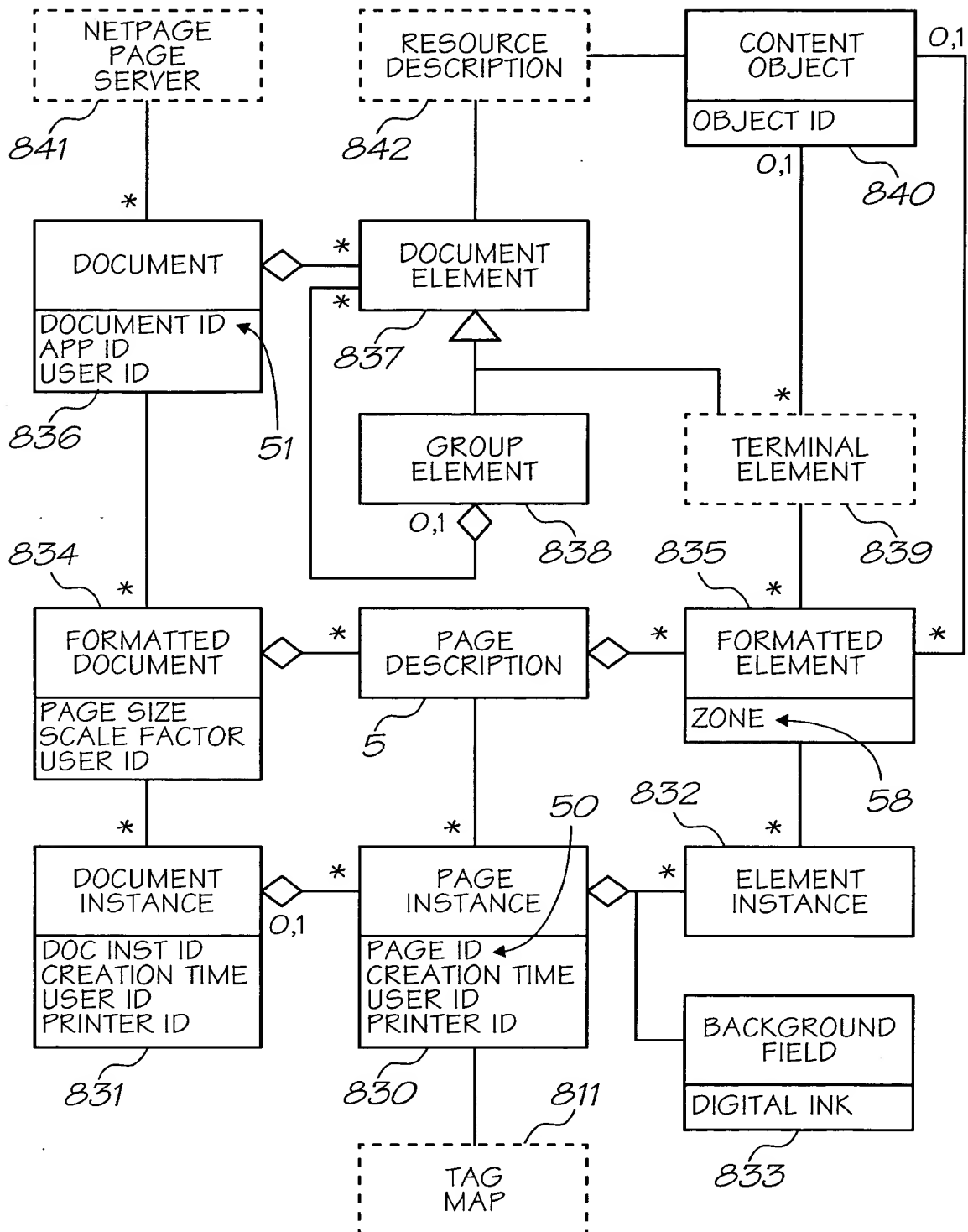


FIG. 28







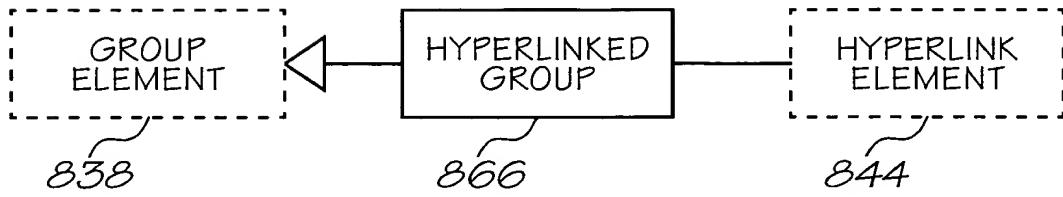


FIG. 34

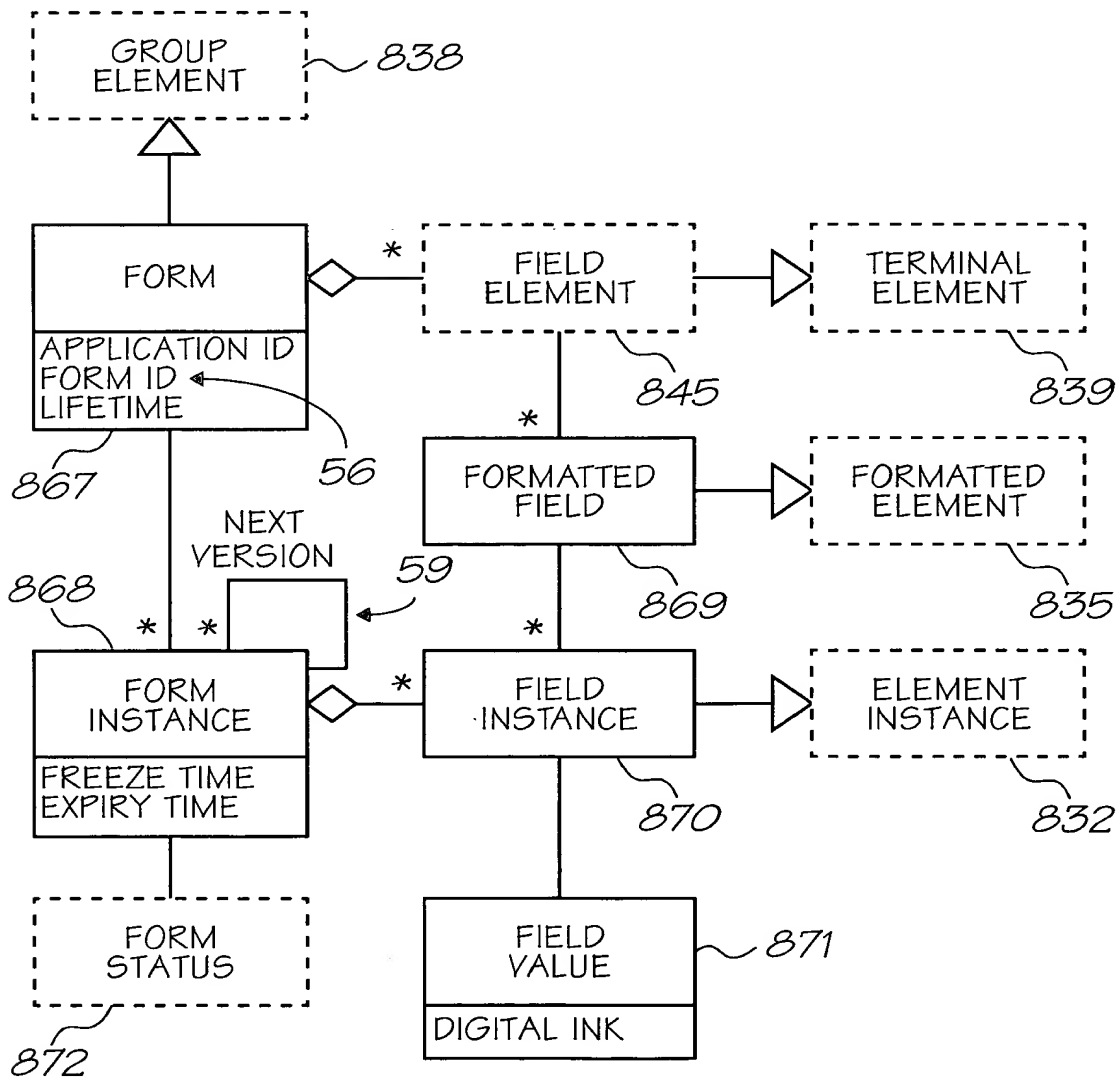


FIG. 35





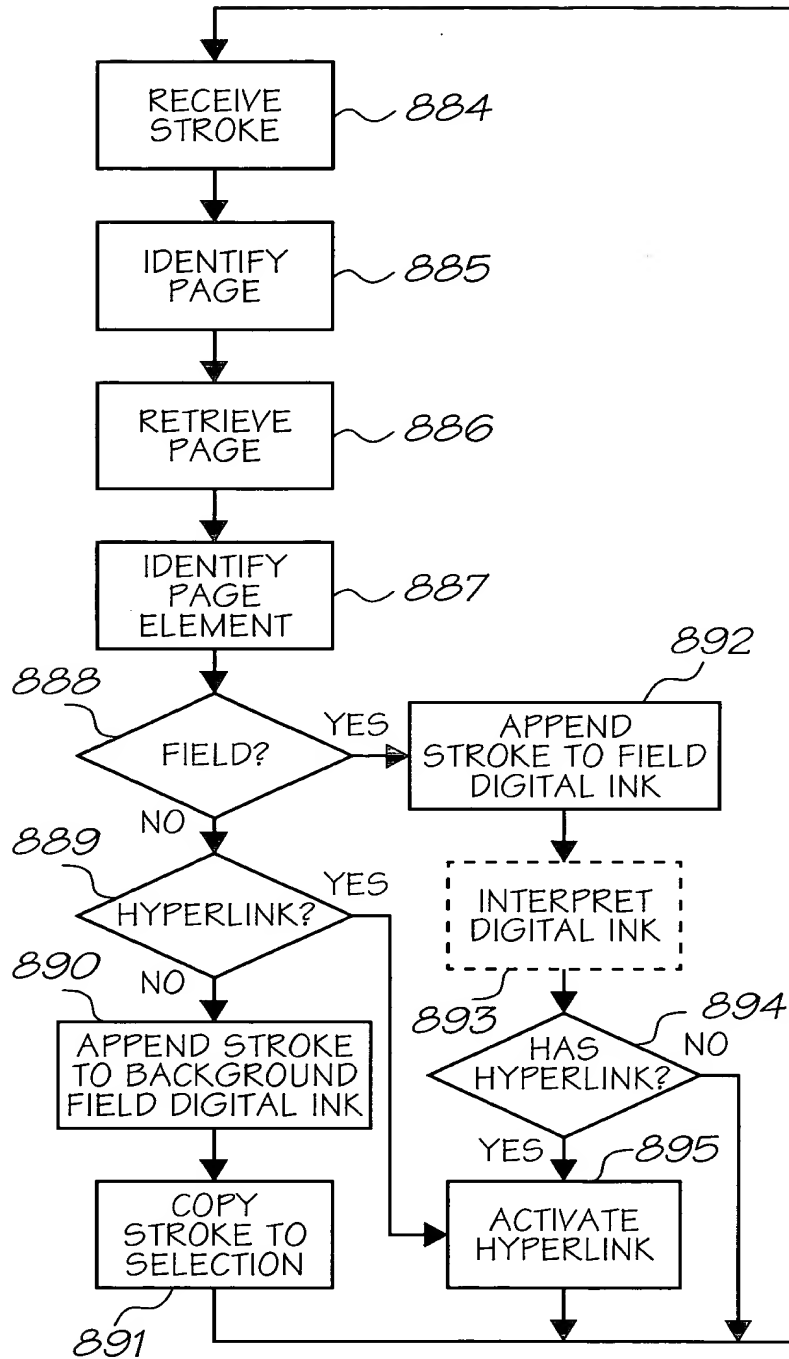
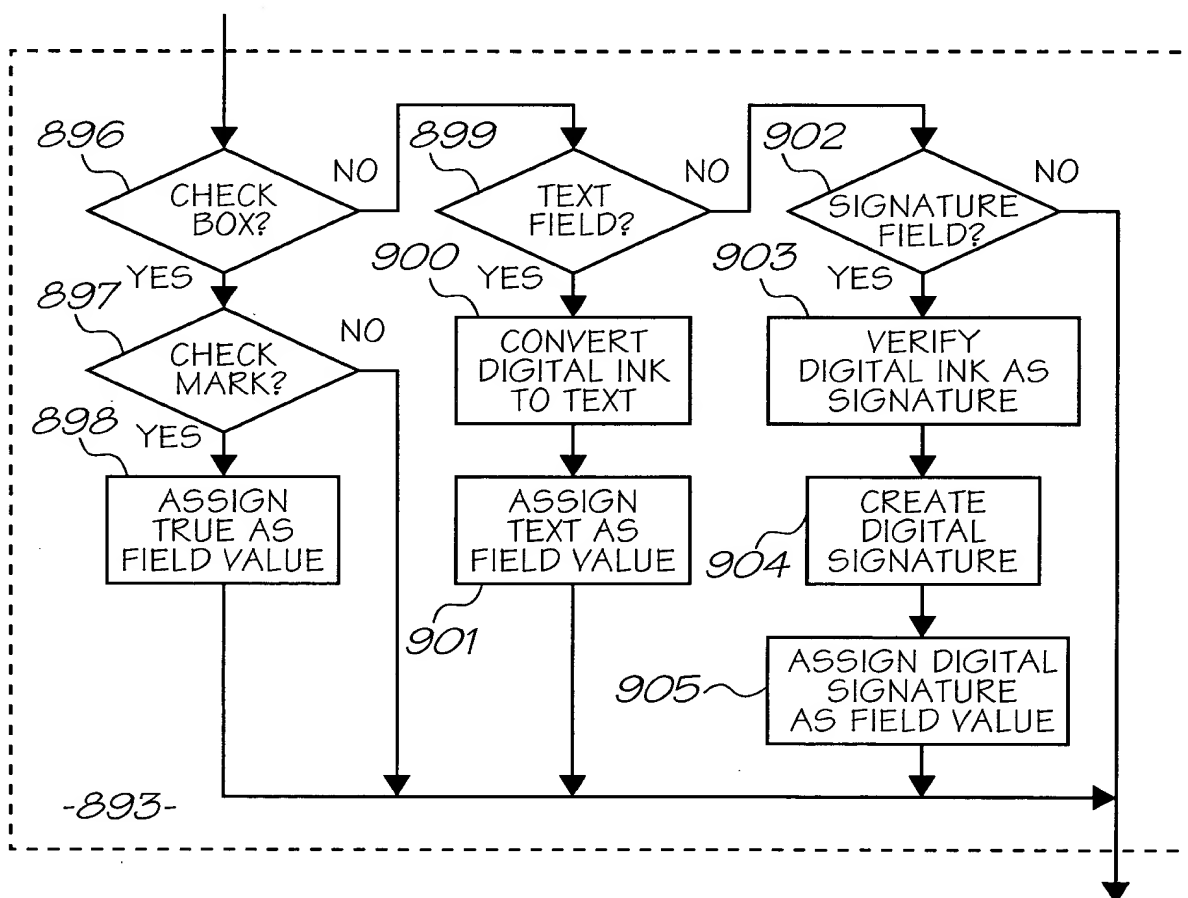


FIG. 41





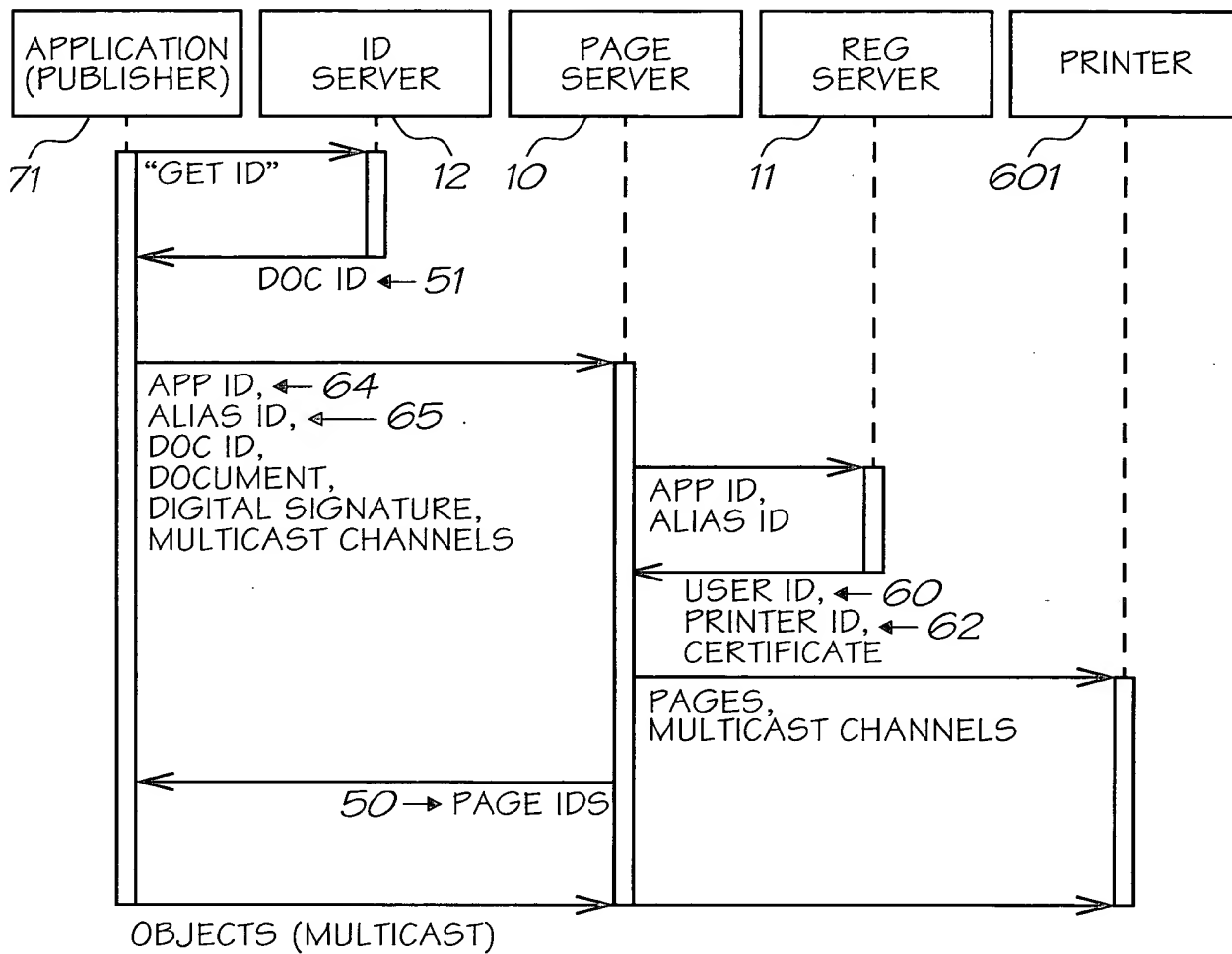


FIG. 42

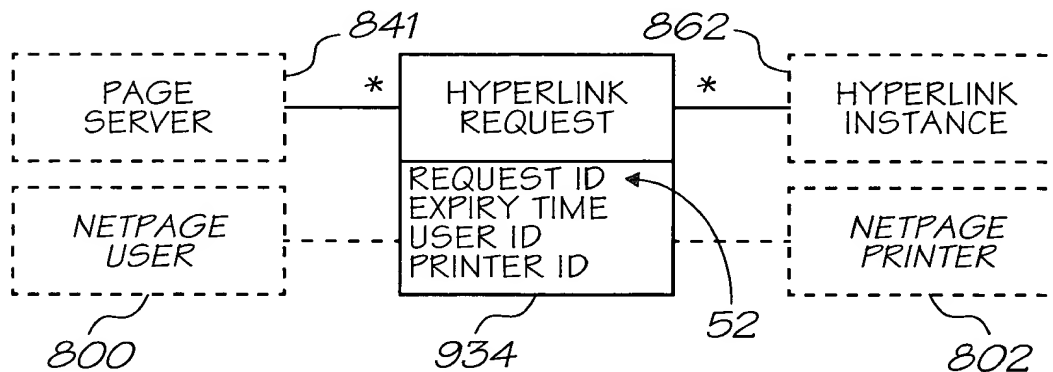


FIG. 43

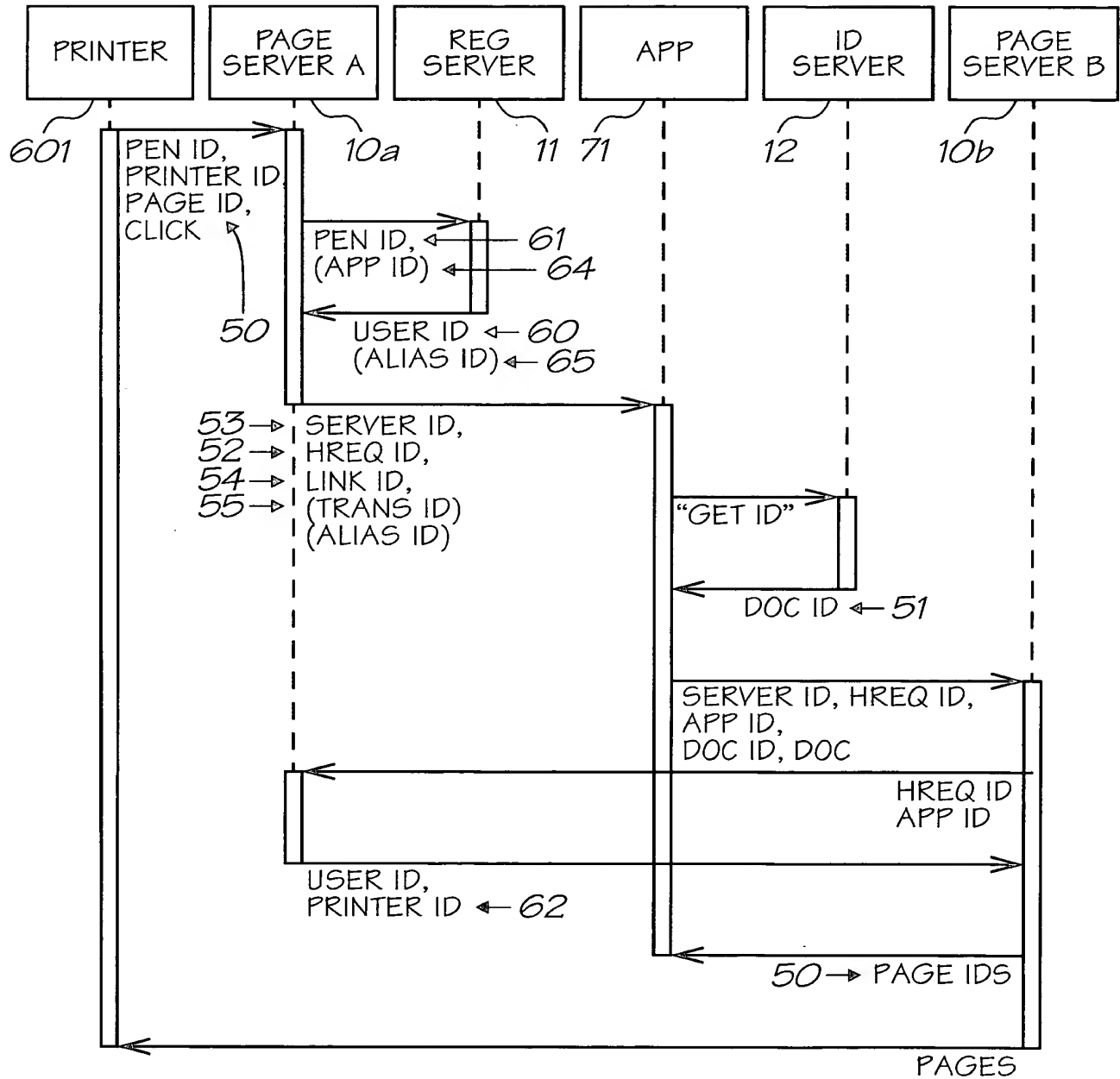


FIG. 44

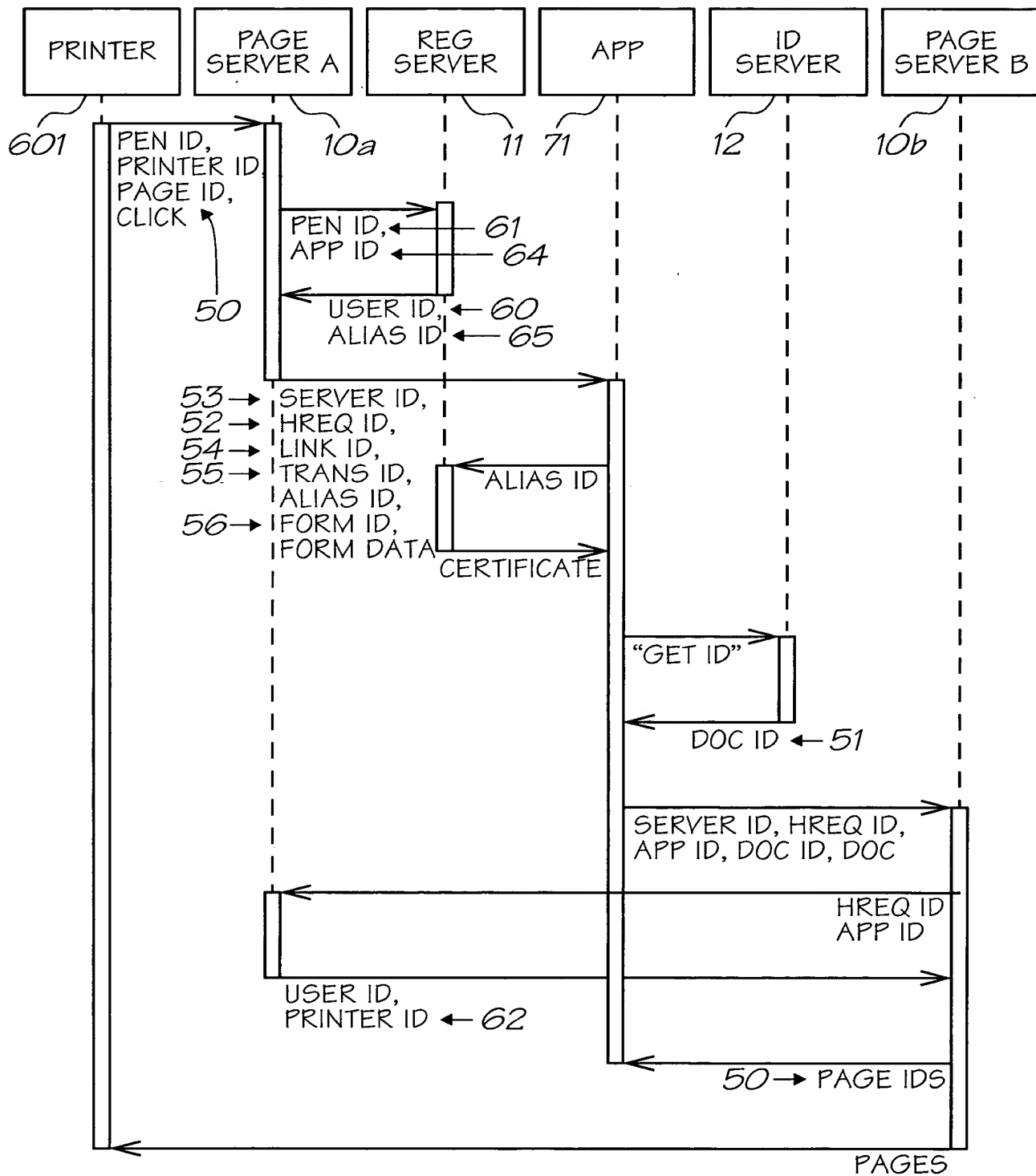


FIG. 45

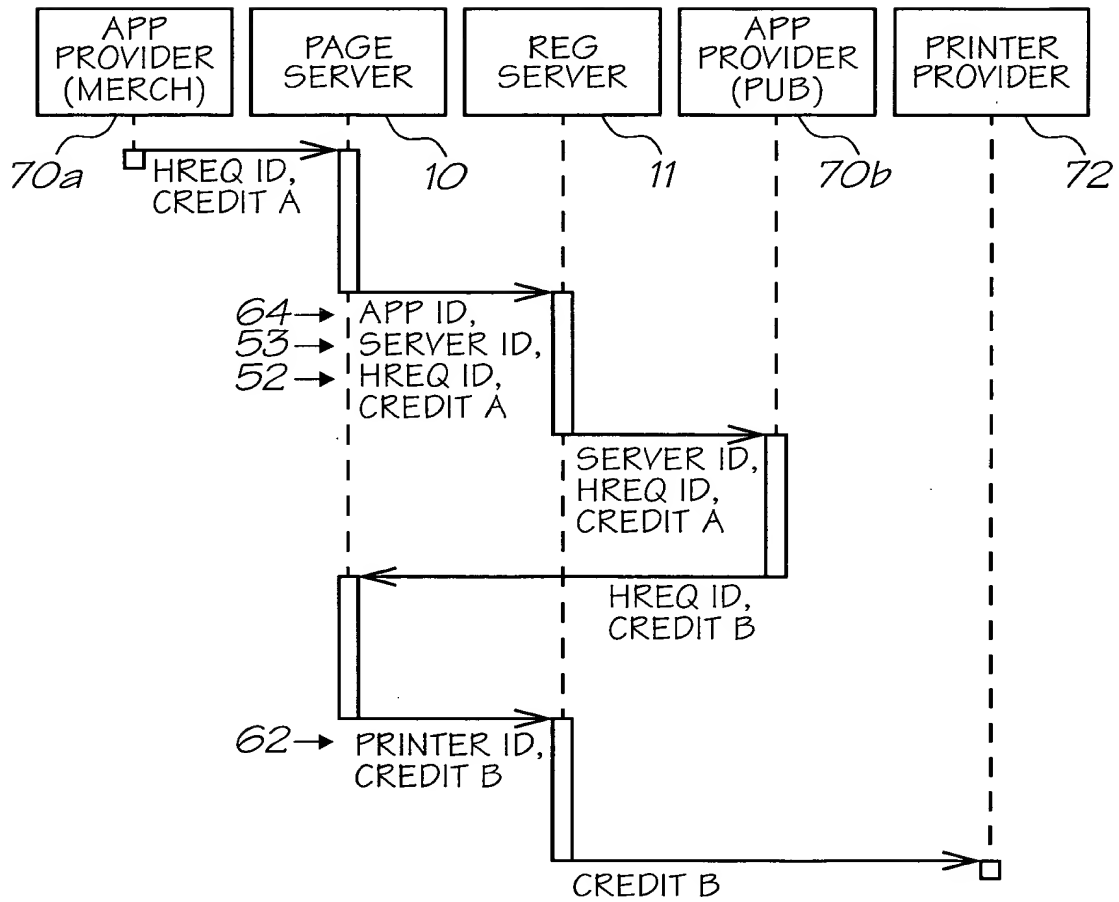


FIG. 46

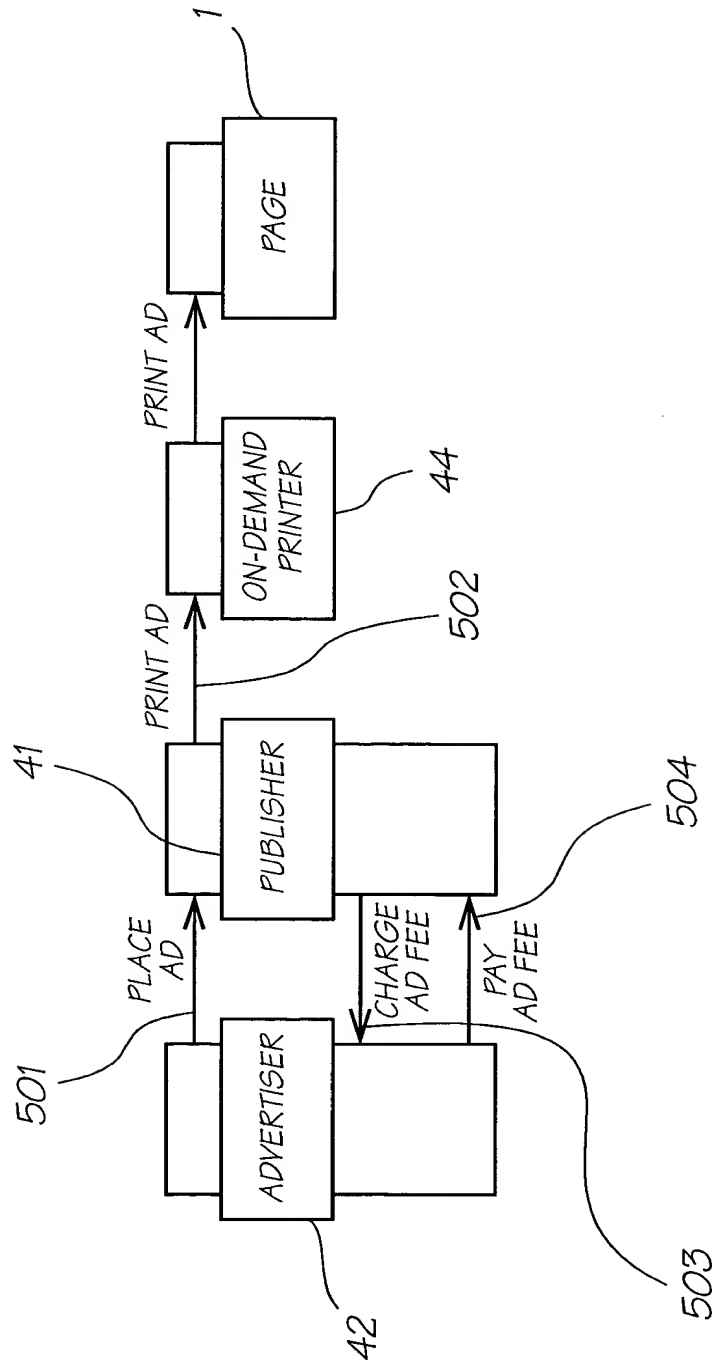


FIG. 47

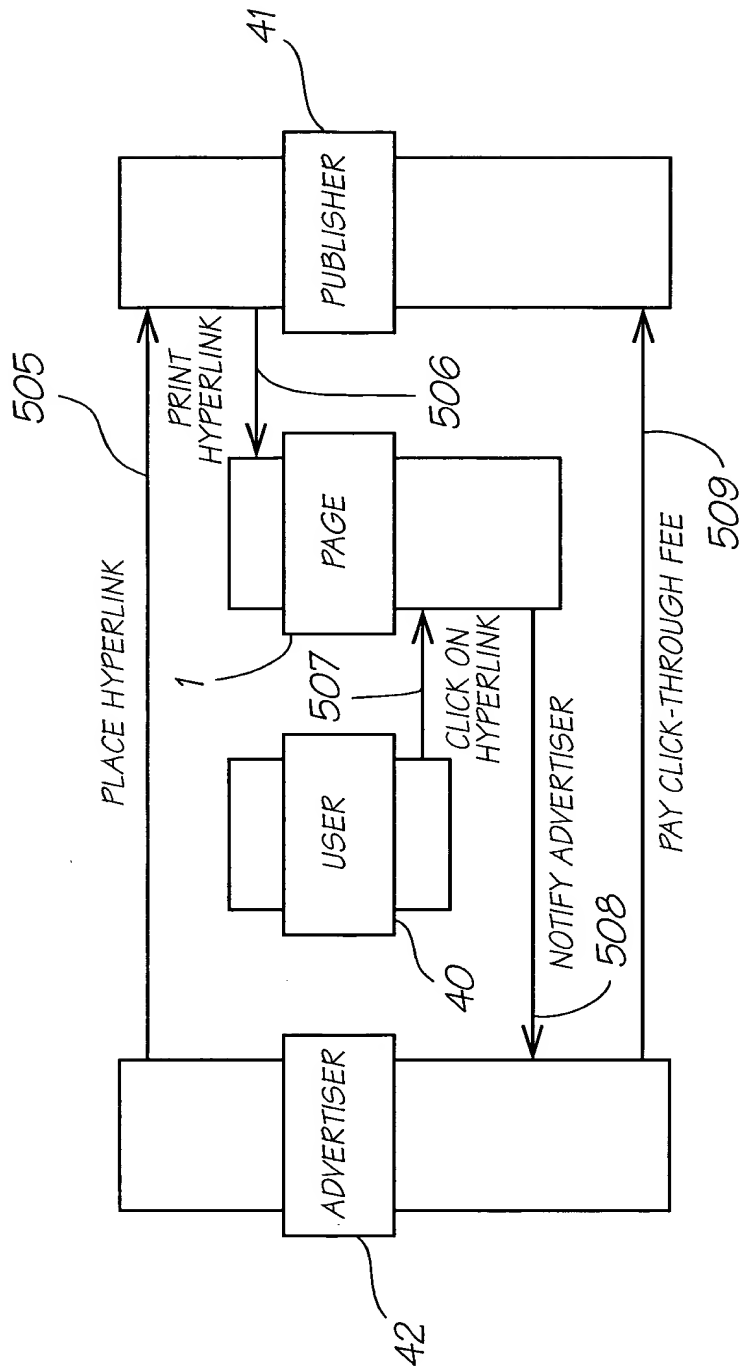


FIG. 48





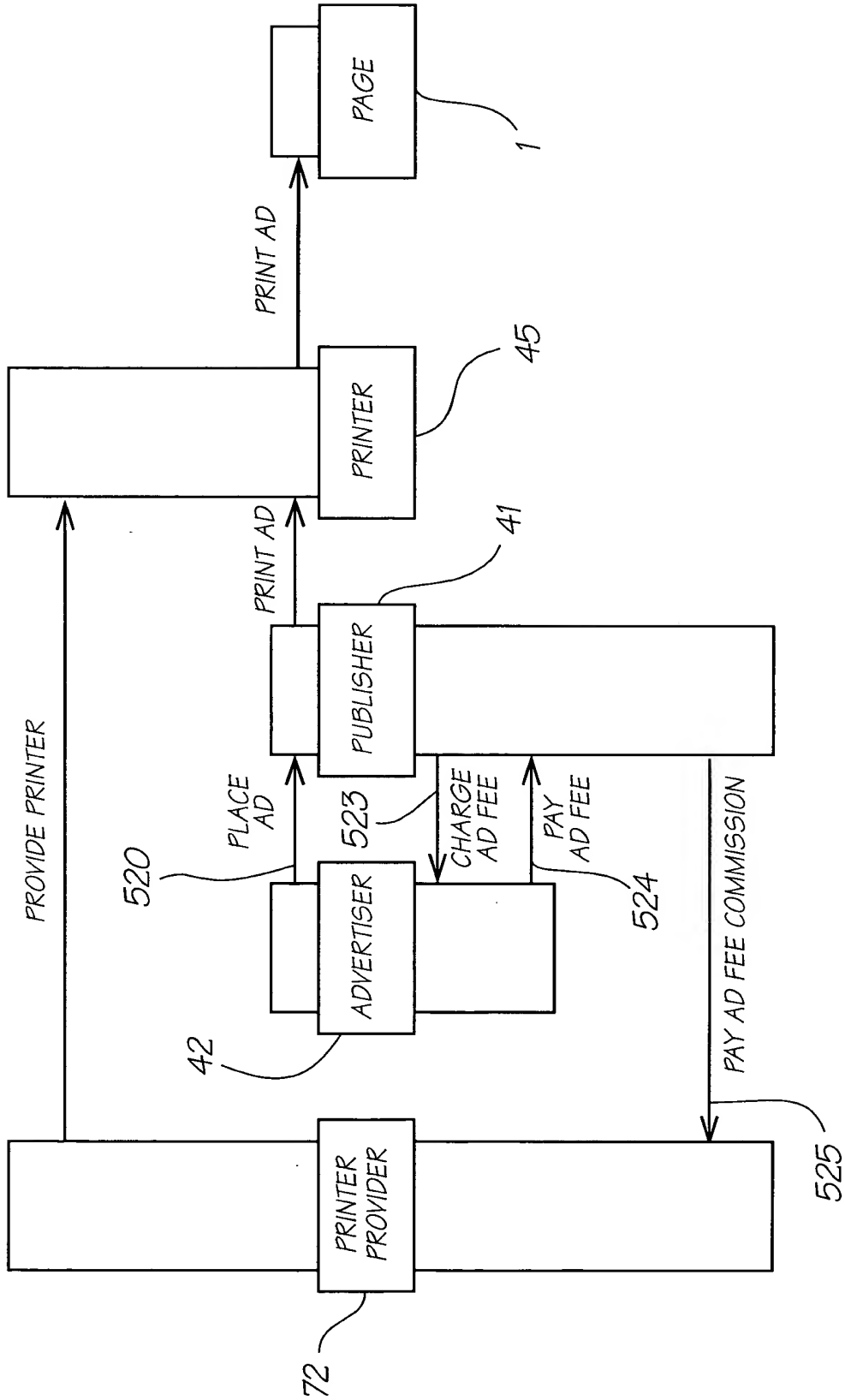


FIG. 50



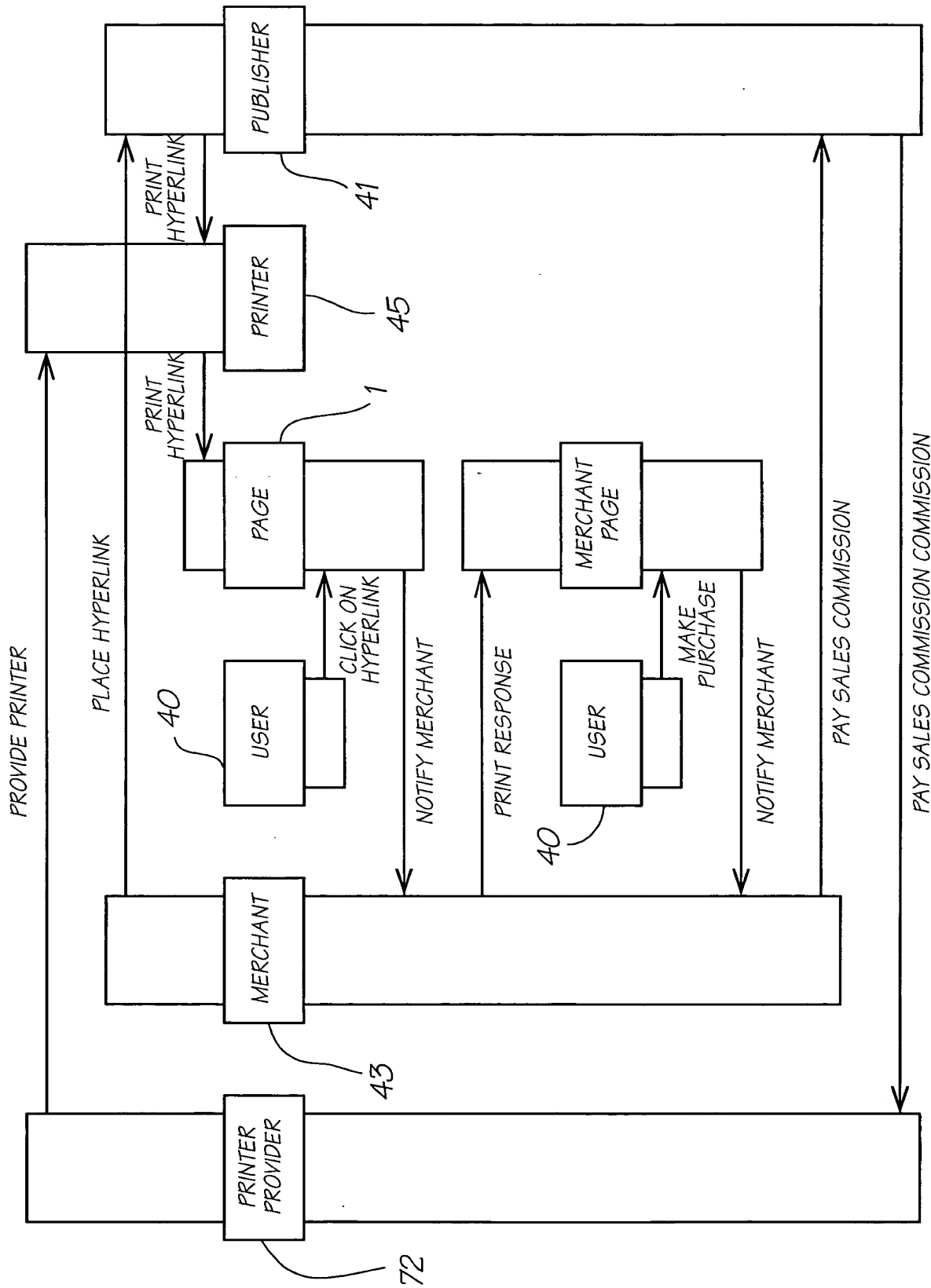


FIG. 52